

11/21/08 Dialog Search 10733836

Connecting via Winsock to Dialog

Logging in to Dialog

Trying 31060000009998...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\*

Welcome to DIALOG

Dialog level 05.22.00D

Last logoff: 16nov08 13:59:00

Logon file405 21nov08 15:28:05

\*\*\* ANNOUNCEMENTS \*\*\*

\*\*\*

\*\*\* Join us for Update 2008! Dialog is holding updates this fall in several areas and would love for you to join us. Visit [www.dialog.com/events/update](http://www.dialog.com/events/update) to register or enter HELP UPDATES for more information.

\*\*\* "Thomson File Histories" are now available directly through Dialog in selected patent and trademark files. Combined with the comprehensive patent and trademark information on Dialog, file histories give you the most complete view of a patent or trademark and its history in one place. When searching in one of the patent and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need. See HELP FILEHIST for more information about how to use the link and a list of files that contain the link.

NEW FILE

\*\*\*File 651, TRADEMARKSCAN(R) - China. See HELP NEWS 651 for details.  
RESUMED UPDATING

\*\*\*File 523, D&B European Financial Records

\*\*\*

RELOADS COMPLETED

\*\*\*File 227, TRADEMARKSCAN(R) - Community Trademarks

\*\*\*

## FILES RENAMED

\*\*\*File 321, PLASPEC now known as Plastic Properties Database

\*\*\*

## FILES REMOVED

\*\*\*File 601, Early Edition Canada

\*\*\*

>>>For the latest news about Dialog products, services, content<<<  
>>>and events, please visit What's New from Dialog at <<<  
>>><http://www.dialog.com/whatsnew/>. You can find news about <<<  
>>>a specific database by entering HELP NEWS <file number>. <<<  
YTEXT is set ON as an alias for 15,16,148,160,275,621  
KTEXT is set ON as an alias for 9,20,476,610,613,624,634,636,810,813  
MTEXT is set ON as an alias for 2,35,65,77,99,233,256,278,474,475,583  
STEXT is set ON as an alias for 623,473,47,635,570,PAPERSMJ,PAPERSEU  
HTEXT is set ON as an alias for 625,268,626,267,139  
FTEXT1 is set ON as an alias for 15,9,275,621,636,16,160,148  
FTEXT2 is set ON as an alias for 610,810,476,624,634,20,47  
BIB1 is set ON as an alias for 35,139,583,65,2,144,233,474,475,99  
SUB26 is set ON as an alias for PAPERSEU, PAPERSMJ,570,635  
SUB35 is set ON as an alias for 625,268,626,267,608

\* \* \*

## SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.8.0 term=ASCII

\*\*\* DIALOG HOMEBASE(SM) Main Menu \*\*\*

### Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

### Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help      /L = Logoff      /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b 410

21nov08 15:28:06 User264721 Session D57.1  
\$0.00 0.271 DialUnits FileHomeBase  
\$0.00 Estimated cost FileHomeBase  
\$0.00 Estimated cost this search  
\$0.00 Estimated total session cost 0.271 DialUnits

File 410:Dialog Comm.-of-Interest Newsletters 2008 /Mar  
(c) 2008 Dialog

Set Items Description

-----  
? set hi %%%;set hi %%%  
HILIGHT set on as "  
HILIGHT set on as "  
? b YTEXT, KTEXT, MTEXT, STTEXT, HTEXT, ftext1, ftext2, bib1, sub26, sub35  
>>> 476 does not exist  
>>> 77 does not exist  
>>> 233 does not exist  
>>> 473 does not exist  
>>>4 of the specified files are not available  
21nov08 15:28:26 User264721 Session D57.2  
\$0.00 0.115 DialUnits File410  
\$0.00 Estimated cost File410  
\$0.08 TELNET  
\$0.08 Estimated cost this search  
\$0.08 Estimated total session cost 0.386 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 15:ABI/Inform(R) 1971-2008/Nov 21

(c) 2008 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2008/Nov 11

(c) 2008 Gale/Cengage

\*File 16: Because of updating irregularities, the banner and the update (UD=) may vary.

File 148:Gale Group Trade & Industry DB 1976-2008/Nov 12

(c) 2008 Gale/Cengage

\*File 148: The CURRENT feature is not working in File 148.  
See HELP NEWS148.

File 160:Gale Group PROMT(R) 1972-1989

(c) 1999 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2008/Nov 10

(c) 2008 Gale/Cengage

File 621:Gale Group New Prod.Annou.(R) 1985-2008/Oct 29

(c) 2008 Gale/Cengage

File 9:Business & Industry(R) Jul/1994-2008/Nov 19

(c) 2008 Gale/Cengage

\*File 9: UD names were adjusted to reflect load date.  
All data is present.

File 20:Dialog Global Reporter 1997-2008/Nov 21  
(c) 2008 Dialog

File 610:Business Wire 1999-2008/Nov 21  
(c) 2008 Business Wire.

\*File 610: File 610 now contains data from 3/99 forward.  
Archive data (1986-2/99) is available in File 810.

File 613:PR Newswire 1999-2008/Nov 21  
(c) 2008 PR Newswire Association Inc

\*File 613: File 613 now contains data from 5/99 forward.  
Archive data (1987-4/99) is available in File 813.

File 624:McGraw-Hill Publications 1985-2008/Nov 21  
(c) 2008 McGraw-Hill Co. Inc

File 634:San Jose Mercury Jun 1985-2008/Nov 20  
(c) 2008 San Jose Mercury News

File 636:Gale Group Newsletter DB(TM) 1987-2008/Nov 11  
(c) 2008 Gale/Cengage

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

File 2:INSPEC 1898-2008/Oct W4  
(c) 2008 Institution of Electrical Engineers

File 35:Dissertation Abs Online 1861-2008/Feb  
(c) 2008 ProQuest Info&Learning

File 65:Inside Conferences 1993-2008/Nov 20  
(c) 2008 BLDSC all rts. reserv.

File 99:Wilson Appl. Sci & Tech Abs 1983-2008/Oct  
(c) 2008 The HW Wilson Co.

File 256:TecInfoSource 82-2008/Apr  
(c) 2008 Info.Sources Inc

File 278:Ei Compendex(R) 1970-2008/Nov W1  
(c) 2008 Elsevier Eng. Info, Inc.

\*File 278: The file has been reloaded. See HELP NEWS 8 for details.

File 474:New York Times Abs 1969-2008/Nov 20  
(c) 2008 The New York Times

File 475:Wall Street Journal Abs 1973-2008/Nov 21  
(c) 2008 The New York Times

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 Gale/Cengage

\*File 583: This file is no longer updating as of 12-13-2002.

File 623:Business Week 1985-2008/Nov 20  
(c) 2008 The McGraw-Hill Companies Inc

File 47:Gale Group Magazine DB(TM) 1959-2008/Nov 06  
(c) 2008 Gale/Cengage

File 635:Business Dateline(R) 1985-2008/Nov 21  
(c) 2008 ProQuest Info&Learning

File 570:Gale Group MARS(R) 1984-2008/Nov 12  
(c) 2008 Gale/Cengage

File 387:The Denver Post 1994-2008/Nov 20  
(c) 2008 Denver Post

File 471:New York Times Fulltext 1980-2008/Nov 21  
(c) 2008 The New York Times

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers

\*File 492: File 492 is closed (no longer updating). Use Newsroom, Files 989 and 990, for current records.

File 494:St LouisPost-Dispatch 1988-2008/Nov 19  
(c) 2008 St Louis Post-Dispatch

File 631:Boston Globe 1980-2008/Nov 20  
(c) 2008 Boston Globe

File 633:Phil.Inquirer 1983-2008/Nov 20  
(c) 2008 Philadelphia Newspapers Inc

File 638:Newsday/New York Newsday 1987-2008/Nov 20  
(c) 2008 Newsday Inc.

File 640:San Francisco Chronicle 1988-2008/Nov 19  
(c) 2008 Chronicle Publ. Co.

File 641:Rocky Mountain News Jun 1989-2008/Nov 21  
(c) 2008 Scripps Howard News

File 702:Miami Herald 1983-2008/Nov 20  
(c) 2008 The Miami Herald Publishing Co.

File 703:USA Today 1989-2008/Nov 19  
(c) 2008 USA Today

File 704:(Portland)The Oregonian 1989-2008/Nov 20  
(c) 2008 The Oregonian

File 713:Atlanta J/Const. 1989-2008/Nov 09  
(c) 2008 Atlanta Newspapers

File 714:(Baltimore) The Sun 1990-2008/Nov 20  
(c) 2008 Baltimore Sun

File 715:Christian Sci.Mon. 1989-2008/Nov 21  
(c) 2008 Christian Science Monitor

File 725:(Cleveland)Plain Dealer Aug 1991-2008/Nov 20  
(c) 2008 The Plain Dealer

File 735:St. Petersburg Times 1989- 2008/Nov 14  
(c) 2008 St. Petersburg Times

File 477:Irish Times 1999-2008/Nov 21  
(c) 2008 Irish Times

File 710:Times/Sun.Times(London) Jun 1988-2008/Nov 21  
(c) 2008 Times Newspapers

File 711:Independent(London) Sep 1988-2006/Dec 12  
(c) 2006 Newspaper Publ. PLC

\*File 711: This file does not update. See File 757 for full daily coverage from many European sources.

File 756:Daily/Sunday Telegraph 2000-2008/Nov 21  
(c) 2008 Telegraph Group

File 757:Mirror Publications/Independent Newspapers 2000-2008/Nov 20  
(c) 2008

File 625:American Banker Publications 1981-2008/Jun 26  
(c) 2008 American Banker

\*File 625: This file no longer updates.

Use Newsroom Files 989 and 990 for current records.

File 268:Banking Info Source 1981-2008/Nov W3  
(c) 2008 ProQuest Info&Learning

File 626:Bond Buyer Full Text 1981-2008/Jul 07  
(c) 2008 Bond Buyer

\*File 626: This file no longer updates.

Use Newsroom Files 989 and 990 for current records.

File 267:Finance & Banking Newsletters 2008/Sep 29  
(c) 2008 Dialog

File 139:EconLit 1969-2008/Nov  
(c) 2008 American Economic Association

File 144:Pascal 1973-2008/Nov W2  
(c) 2008 INIST/CNRS

File 608:MCT Information Svc. 1992-2008/Nov 21  
(c) 2008 MCT Information Svc.

# Set Items Description

--- -----

? S (electronic (1n) receipt) and ((electronic (1n) commerce) or Internet or web)

Processing

Processing

Processed 10 of 57 files ...

Processing

Processed 30 of 57 files ...

Processing

Completed processing all files

9267331 ELECTRONIC

797400 RECEIPT

3872 ELECTRONIC(1N)RECEIPT

9267331 ELECTRONIC

6078299 COMMERCE

730892 ELECTRONIC(1N)COMMERCE

12388909 INTERNET

17987758 WEB

S1 2773 (ELECTRONIC (1N) RECEIPT) AND ((ELECTRONIC (1N)  
COMMERCE)

OR INTERNET OR WEB)

?

PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES

? S (gather??? or collect??? or accumulat??? or retriev???) (15n) ((information or data or  
content) (10n) (product or merchandise or merchandize or item or article or service)) (s)  
((merchant or seller or vendor or supplier) and bank and manufacturer)

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processing

Processed 10 of 57 files ...

Processing

Processing

Processed 20 of 57 files ...

Processing

Processed 30 of 57 files ...

Processing

Processed 40 of 57 files ...

Processing

Processed 50 of 57 files ...

Processing

Completed processing all files

3606970 GATHER???

9023722 COLLECT???

1769602 ACCUMULAT???

2489091 RETRIEV???

46883633 INFORMATION

24029673 DATA

6862912 CONTENT

23602204 PRODUCT

1346646 MERCHANDISE

2538 MERCHANDIZE

1681082 ITEM

11276851 ARTICLE

29933523 SERVICE

911426 MERCHANT

946944 SELLER

1758962 VENDOR

3163358 SUPPLIER

15218759 BANK  
4689123 MANUFACTURER  
S2 137 (GATHER??? OR COLLECT??? OR ACCUMULAT??? OR  
RETRIEV???)  
(15N) ((INFORMATION OR DATA OR CONTENT) (10N) (PRODUCT OR  
MERCHANDISE OR MERCHANDIZE OR ITEM OR ARTICLE OR  
SERVICE)) (S) ((MERCHANT OR SELLER OR VENDOR OR SUPPLIER)  
AND BANK AND MANUFACTURER)  
? S (receipt or receive or receiving or received or accept??? or sending or sent or sends or  
transmit or transmitting or transmits) (25n) ((e or electronic) (2n) receipt) (15n)  
transaction  
Processing  
Processing  
Processed 10 of 57 files ...  
Processing  
Processed 30 of 57 files ...  
Processing  
Processed 50 of 57 files ...  
Completed processing all files  
797400 RECEIPT  
8483123 RECEIVE  
2772035 RECEIVING  
12324290 RECEIVED  
7163112 ACCEPT???  
1773564 SENDING  
6806801 SENT  
738841 SENDS  
454235 TRANSMIT  
228159 TRANSMITTING  
112540 TRANSMITS  
19571846 E  
9267331 ELECTRONIC  
797400 RECEIPT  
4242242 TRANSACTION  
S3 646 (RECEIPT OR RECEIVE OR RECEIVING OR RECEIVED OR  
ACCEPT???)  
OR SENDING OR SENT OR SENDS OR TRANSMIT OR  
TRANSMITTING  
OR TRANSMITS) (25N) ((E OR ELECTRONIC) (2N) RECEIPT)  
(15N) TRANSACTION  
? S SAND S2  
S4 0 SAND S2  
? S S1 AND S2  
2773 S1  
137 S2  
S5 0 S1 AND S2



```

? S S1 AND S3
    2773 S1
    646 S3
    S6 280 S1 AND S3
? S S2 AND S3
    137 S2
    646 S3
    S7 0 S2 AND S3
? S S2 AND (ELECTRONIC NEAR1 RECEIPT)
    137 S2
    0 ELECTRONIC NEAR1 RECEIPT
    S8 0 S2 AND (ELECTRONIC NEAR1 RECEIPT)
? S S6 AND ibm
    280 S6
    2289734 IBM
    S9 15 S6 AND IBM
? RD S9

```

>>>Duplicate detection is not supported for File 625.

>>>Duplicate detection is not supported for File 626.

>>>Records from unsupported files will be retained in the RD set.

```

    S10 12 RD S9 (unique items)
? S S10 AND PD<2004
>>>File 15 processing for PD= : PD=2004
>>> started at PD=710000 stopped at PD=881000
>>>File 16 processing for PD= : PD=2004
>>> started at PD=19900101 stopped at PD=19950623
>>>File 148 processing for PD= : PD=2004
>>> started at PD=140105 stopped at PD=790808
Processing
>>>File 160 processing for PD= : PD=2004
>>> started at PD=2103 stopped at PD=770314
>>>File 275 processing for PD= : PD=2004
>>> started at PD=140103 stopped at PD=840626
>>>File 621 processing for PD= : PD=2004
>>> started at PD=00000000 stopped at PD=19910208
>>>File 9 processing for PD= : PD=2004
>>> started at PD=871119 stopped at PD=950325
>>>File 20 processing for PD= : PD=2004
>>> started at PD=101004 stopped at PD=970827
Processing
Processing
Processing
Processed 10 of 57 files ...

```

```
>>>File 624 processing for PD= : PD=2004
>>>  started at PD=104 stopped at PD=8811
>>>File 634 processing for PD= : PD=2004
>>>  started at PD=12/7/04 stopped at PD=861209
>>>File 636 processing for PD= : PD=2004
>>>  started at PD=19880101 stopped at PD=19940325
>>>File 810 processing for PD= : PD=2004
>>>  started at PD=850116 stopped at PD=911123
>>>File 813 processing for PD= : PD=2004
>>>  started at PD=100000 stopped at PD=900715
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.
>>>File 99 processing for PD= : PD=2004
>>>  started at PD=DEC.1200 stopped at PD=19910204
>>>File 278 processing for PD= : PD=2004
>>>  started at PD=19041201 stopped at PD=20030227
Processing
Processed 20 of 57 files ...
>>>File 474 processing for PD= : PD=2004
>>>  started at PD=101111 stopped at PD=700609
>>>File 475 processing for PD= : PD=2004
>>>  started at PD=191111 stopped at PD=770216
>>>File 583 processing for PD= : PD=2004
>>>  started at PD=100001 stopped at PD=860522
>>>File 47 processing for PD= : PD=2004
>>>  started at PD=590100 stopped at PD=600914
>>>File 635 processing for PD= : PD=2004
>>>  started at PD=1190 stopped at PD=871019
>>>File 570 processing for PD= : PD=2004
>>>  started at PD=19840102 stopped at PD=19910623
>>>File 387 processing for PD= : PD=2004
>>>  started at PD=931204 stopped at PD=950624
>>>File 471 processing for PD= : PD=2004
>>>  started at PD=100904 stopped at PD=810609
>>>File 492 processing for PD= : PD=2004
>>>  started at PD=11/10/99 stopped at PD=890912
>>>File 494 processing for PD= : PD=2004
>>>  started at PD=2/7/2001 stopped at PD=890610
>>>File 631 processing for PD= : PD=2004
>>>  started at PD=11/14/99 stopped at PD=810519
>>>File 633 processing for PD= : PD=2004
>>>  started at PD=830101 stopped at PD=840630
Processing
>>>File 638 processing for PD= : PD=2004
>>>  started at PD=25, stopped at PD=880623
Processed 30 of 57 files ...
```

>>>File 640 processing for PD= : PD=2004  
>>> started at PD=850209 stopped at PD=890621  
>>>File 641 processing for PD= : PD=2004  
>>> started at PD=890523 stopped at PD=901115  
>>>File 702 processing for PD= : PD=2004  
>>> started at PD=801018 stopped at PD=840608  
>>>File 703 processing for PD= : PD=2004  
>>> started at PD=880531 stopped at PD=920520  
>>>File 704 processing for PD= : PD=2004  
>>> started at PD=890101 stopped at PD=900623  
>>>File 713 processing for PD= : PD=2004  
>>> started at PD=880117 stopped at PD=900601  
>>>File 714 processing for PD= : PD=2004  
>>> started at PD=900903 stopped at PD=920306  
>>>File 715 processing for PD= : PD=2004  
>>> started at PD=890103 stopped at PD=930527  
>>>File 735 processing for PD= : PD=2004  
>>> started at PD=25UARY stopped at PD=931031  
>>>File 710 processing for PD= : PD=2004  
>>> started at PD=880601 stopped at PD=891213  
>>>File 711 processing for PD= : PD=2004  
>>> started at PD=880919 stopped at PD=901208

Processing

Processed 50 of 57 files ...

>>>File 625 processing for PD= : PD=2004  
>>> started at PD=8111 stopped at PD=850515  
>>>File 268 processing for PD= : PD=2004  
>>> started at PD=16T 16 stopped at PD=830816  
>>>File 626 processing for PD= : PD=2004  
>>> started at PD=8111 stopped at PD=850709  
>>>File 144 processing for PD= : PD=2004  
>>> started at PD=18019 stopped at PD=19831028  
>>>File 608 processing for PD= : PD=2004  
>>> started at PD=108 stopped at PD=930327

Completed processing all files

12 S10

56748456 PD<2004

S11 2 S10 AND PD<2004

? T S11/7,K/1-1

11/7,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c) 2008 Gale/Cengage. All rts. reserv.

14757663 SUPPLIER NUMBER: 88739538 (THIS IS THE FULL TEXT)  
Hypercom Introduces Payment Industry's First Suite of Internet Hosted

POS Terminal Applications.  
Business Wire, 0051  
July 11, 2002

TEXT:

Business Editors & High-Tech Writers  
epicDirect Lowers Implementation Costs, Speeds Time to Market for  
Independent Sales Organizations, Processors and VARs  
Hypercom Corp. (NYSE:HYP) today introduced epicDirect, the payment  
industry's first comprehensive suite of Internet hosted applications  
for point-of-sale terminals.

Accessed from a PC and a standard browser, epicDirect(TM) gives  
processors, Independent Sales Organizations (ISOs) and Value-Added  
Resellers (VARs) everything needed to manage a base of card payment  
terminals and merchants, including the most complete and up-to-date set of  
applications in the industry. epicDirect is available immediately.

Fortifying its pioneering use of the Application Service Provider  
(ASP) model popularized by IBM, Sun, Oracle and other computer  
industry leaders, Hypercom's new epicDirect solution provides hosting  
services for all back-office systems.

The ASP business model gets customers to market immediately and  
replaces upfront development costs and ongoing support expenses with a low  
monthly service fee. Typically, fees range from \$4 to \$30 a month per  
terminal depending on the mix of services selected.

"epicDirect is the capstone of our epic(TM) Internet strategy.  
Now our customers can load a Hypercom ICE(TM) terminal, manage their  
merchant accounts, enable epicServices(TM) and bill directly from this  
Web-based application with no investment in back-office systems and  
support," said O.B. Rawls IV, president of Hypercom North America.

"Until now, new applications meant new support system development  
for our ISO and processor customers. With epicDirect, you get it all at  
once, ready to sell and use, and with anytime, anywhere Internet  
access. Our customers can take more control of their accounts, broaden  
their offering and improve the quality of their service without making a  
large upfront investment.

"We already have customers using epicDirect, and the response has  
been overwhelmingly enthusiastic."

Access to epicDirect is secured by RSA(R) SecurID( TM) public key  
token technology, ensuring the highest levels of security for epicDirect  
customers and their merchants.

A common entry point called the Control Panel provides a single  
log-on, single access to all epicServices applications including a new  
application, iTermMaster, that is an Internet version of Hypercom's  
popular TermMaster(R) terminal management suite. iTermMaster provides  
everything required to quickly and easily set up, operate and manage any  
Hypercom(R) terminal.

Other epicDirect applications are:

-- myICE -- a new application for use by merchants to view and manage their own information and applications; merchants can add, change or delete receipt or display images and display them on their ICE terminal; retrieve stored receipts; review financial reporting, check e-mail, and track packages; since studies show 70% of small merchants do not have a PC in their store, merchants can access myICE features directly from the ICE terminal as well as from a PC.

-- Financial reporting -- online review of transaction and deposit information enables merchants to manage cash flows more closely.

-- Electronic receipt capture -- a secure back-end receipt storage and online retrieval platform that eliminates the need for merchants to warehouse and manually retrieve paper receipts; an integrated Chargeback Defense Mechanism helps reduce bank chargebacks; saves time and money when resolving customer-disputed transactions.

-- E-mail -- provides e-mail services at the point-of-sale (POS)/point-of-transaction terminal, improving communications with merchants as well as giving them a useful tool for managing their business.

-- ICE-PAC(R) -- a tool for customizing and managing images for on-screen/receipt advertising and receipt printing on the ICE terminals; includes extensive image collections.

-- Package tracking -- setup and track FedEx(R) or UPS(R) shipments through myICE; ideal for merchants that also provide phone order, mail order or Web order.

ISOs or processors can implement a Customer Retention Management (CRM) program by using epicDirect as an all-in-one management and help desk system. The application allows support teams to implement service changes, track history and log all changes made to the merchant information by user ID, providing an audit trail and accountability.

With the anytime, anywhere access convenience of Internet delivered services, on-call associates can respond to problems from a PC at home with the same resources they would have at the office.

VARs can use epicDirect to provide support to their base of users

and to distribute, test and update their applications.

During the last three years, Hypercom has pioneered the use of the Internet for POS applications, starting with the introduction of the ICE family of card payment terminals. Named for the interactive consumer environment created by its graphics user interface, ICE terminals are ready to connect to and use the Internet.

Complementing these terminals is Hypercom's epicServices, a family of turnkey Internet-based solutions that maximize the capabilities of every merchant countertop. In addition to epicDirect and application hosting, other turnkey services are training, marketing materials, help desk support, telemarketing, billing services and telecommunications.

Anyone interested in more information about epicDirect can call epicServices Customer Service at 877/448-3742 or send e-mail [epichelp@hypercom.com](mailto:epichelp@hypercom.com).

About Hypercom ([www.hypercom.com](http://www.hypercom.com))

Hypercom Corp. is a leading global provider of electronic payment solutions that add value at the point-of-sale for consumers, merchants and acquirers, and yield increased profitability for its customers.

Hypercom's products include secure, high performance, Web-enabled card payment terminals that work seamlessly with its networking equipment and software applications for e-commerce, m-commerce, smart cards and traditional payment applications.

The company's widely-accepted ePOS-infocommerce(R) (epic) framework of consumer-activated, EMV-certified, touch-screen ICE (Interactive Consumer Environment) terminals enable acquirers and merchants to decrease costs, increase revenues and improve customer retention.

Headquartered in Phoenix, Hypercom maintains an installed base of more than 5 million terminals in over 100 countries, which conduct more than 10 billion transactions annually.

Hypercom, ePOS-infocommerce, TermMaster and ICE-PAC are registered trademarks of Hypercom Corp. epic, epicDirect, epicServices and ICE are trademarks of Hypercom Corp. FedEx is a registered trademark of FedEx Corp. UPS is a registered trademark of United Parcel Service of America Inc.

All other products or services mentioned in this document are trademarks, service marks, registered trademarks or registered service marks of their respective owners.

Certain matters discussed within this press release are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Although Hypercom management believes the expectations reflected in such forward-looking statements are based on reasonable assumptions, it can give no assurance that its expectations will be attained.

Factors that could cause actual results to differ materially from expectations include industry, competitive and technological changes; risks associated with international operations and foreign currency fluctuations; the composition, timing and size of orders from and shipments to major

customers; inventory obsolescence; market acceptance of new products and other risks detailed from time to time in Hypercom's SEC reports, including the company's most recent 10K and subsequent 10Qs.

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#### Hypercom Introduces Payment Industry's First Suite of Internet Hosted POS Terminal Applications.

... Hypercom Corp. (NYSE:HYC) today introduced epicDirect, the payment industry's first comprehensive suite of Internet hosted applications for point-of-sale terminals.

Accessed from a PC and a standard browser popularized by IBM, Sun, Oracle and other computer industry leaders, Hypercom's new epicDirect solution provides hosting services...

...depending on the mix of services selected.

"epicDirect is the capstone of our epic(TM) Internet strategy.

Now our customers can load a Hypercom ICE(TM) terminal, manage their merchant accounts, enable epicServices(TM) and bill directly from this Web-based application ...you get it all at once, ready to sell and use, and with anytime, anywhere Internet access. Our customers can take more control of their accounts, broaden their offering and improve... on, single access to all epicServices applications including a new application, iTermMaster, that is an Internet version of Hypercom's popular TermMaster(R) terminal management suite. iTermMaster provides everything required to...from the ICE terminal as well as from a PC.

-- Financial reporting -- online review of transaction and deposit information enables merchants to manage cash flows more closely.

-- Electronic receipt capture -- a secure back-end receipt

storage and online retrieval platform that eliminates the need for merchants to warehouse and manually...

R) shipments through myICE; ideal for merchants that also provide phone order, mail order or Web order.

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11/7,K/1 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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14757663 SUPPLIER NUMBER: 88739538 (THIS IS THE FULL TEXT)

Hypercom Introduces Payment Industry's First Suite of Internet Hosted

POS Terminal Applications.

Business Wire, 0051

July 11, 2002

#### TEXT:

Business Editors & High-Tech Writers

epicDirect Lowers Implementation Costs, Speeds Time to Market for Independent Sales Organizations, Processors and VARs

Hypercom Corp. (NYSE:HYC) today introduced epicDirect, the payment industry's first comprehensive suite of Internet hosted applications for point-of-sale terminals.

Accessed from a PC and a standard browser, epicDirect(TM) gives processors, Independent Sales Organizations (ISOs) and Value-Added Resellers (VARs) everything needed to manage a base of card payment terminals and merchants, including the most complete and up-to-date set of applications in the industry. epicDirect is available immediately.

Fortifying its pioneering use of the Application Service Provider (ASP) model popularized by IBM, Sun, Oracle and other computer industry leaders, Hypercom's new epicDirect solution provides hosting services for all back-office systems.

The ASP business model gets customers to market immediately and replaces upfront development costs and ongoing support expenses with a low monthly service fee. Typically, fees range from \$4 to \$30 a month per terminal depending on the mix of services selected.

"epicDirect is the capstone of our epic(TM) Internet strategy.

Now our customers can load a Hypercom ICE(TM) terminal, manage their merchant accounts, enable epicServices(TM) and bill directly from this Web-based application with no investment in back-office systems and support," said O.B. Rawls IV, president of Hypercom North America.

"Until now, new applications meant new support system development



for our ISO and processor customers. With epicDirect, you get it all at once, ready to sell and use, and with anytime, anywhere Internet access. Our customers can take more control of their accounts, broaden their offering and improve the quality of their service without making a large upfront investment.

"We already have customers using epicDirect, and the response has been overwhelmingly enthusiastic."

Access to epicDirect is secured by RSA(R) SecurID( TM) public key token technology, ensuring the highest levels of security for epicDirect customers and their merchants.

A common entry point called the Control Panel provides a single log-on, single access to all epicServices applications including a new application, iTermMaster, that is an Internet version of Hypercom's popular TermMaster(R) terminal management suite. iTermMaster provides everything required to quickly and easily set up, operate and manage any Hypercom(R) terminal.

Other epicDirect applications are:

-- myICE -- a new application for use by merchants to view and manage their own information and applications; merchants can add, change or delete receipt or display images and display them on their ICE terminal; retrieve stored receipts; review financial reporting, check e-mail, and track packages; since studies show 70% of small merchants do not have a PC in their store, merchants can access myICE features directly from the ICE terminal as well as from a PC.

-- Financial reporting -- online review of transaction and deposit information enables merchants to manage cash flows more closely.

-- Electronic receipt capture -- a secure back-end receipt storage and online retrieval platform that eliminates the need for merchants to warehouse and manually retrieve paper receipts; an integrated Chargeback Defense Mechanism helps reduce bank chargebacks; saves time and money when resolving customer-disputed transactions.

-- E-mail -- provides e-mail services at the point-of-sale (POS)/point-of-transaction terminal, improving communications with merchants as well as giving them a useful tool for managing their business.

-- ICE-PAC(R) -- a tool for customizing and managing images for on-screen/r

except advertising and receipt printing on the ICE terminals; includes extensive image collections.

-- Package tracking -- setup and track FedEx(R) or UPS(R) shipments through myICE; ideal for merchants that also provide phone order, mail order or Web order.

ISOs or processors can implement a Customer Retention Management (CRM) program by using epicDirect as an all-in-one management and help desk system. The application allows support teams to implement service changes, track history and log all changes made to the merchant information by user ID, providing an audit trail and accountability.

With the anytime, anywhere access convenience of Internet delivered services, on-call associates can respond to problems from a PC at home with the same resources they would have at the office.

VARs can use epicDirect to provide support to their base of users and to distribute, test and update their applications.

During the last three years, Hypercom has pioneered the use of the Internet for POS applications, starting with the introduction of the ICE family of card payment terminals. Named for the interactive consumer environment created by its graphics user interface, ICE terminals are ready to connect to and use the Internet.

Complementing these terminals is Hypercom's epicServices, a family of turnkey Internet-based solutions that maximize the capabilities of every merchant countertop. In addition to epicDirect and application hosting, other turnkey services are training, marketing materials, help desk support, telemarketing, billing services and telecommunications.

Anyone interested in more information about epicDirect can call epicServices Customer Service at 877/448-3742 or send e-mail [epichelp@hypercom.com](mailto:epichelp@hypercom.com).

About Hypercom ([www.hypercom.com](http://www.hypercom.com))

Hypercom Corp. is a leading global provider of electronic payment solutions that add value at the point-of-sale for consumers, merchants and acquirers, and yield increased profitability for its customers.

Hypercom's products include secure, high performance, Web-enabled card payment terminals that work seamlessly with its networking equipment and software applications for e-commerce, m-commerce, smart cards and traditional payment applications.

The company's widely-accepted ePOS-infocommerce(R) (epic) framework of consumer-activated, EMV-certified, touch-screen ICE (Interactive Consumer Environment) terminals enable acquirers and merchants to decrease costs, increase revenues and improve customer retention.

Headquartered in Phoenix, Hypercom maintains an installed base of more than 5 million terminals in over 100 countries, which conduct more than 10 billion transactions annually.

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Certain matters discussed within this press release are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Although Hypercom management believes the expectations reflected in such forward-looking statements are based on reasonable assumptions, it can give no assurance that its expectations will be attained.

Factors that could cause actual results to differ materially from expectations include industry, competitive and technological changes; risks associated with international operations and foreign currency fluctuations; the composition, timing and size of orders from and shipments to major customers; inventory obsolescence; market acceptance of new products and other risks detailed from time to time in Hypercom's SEC reports, including the company's most recent 10K and subsequent 10Qs.

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11/7,K/2 (Item 1 from file: 610)  
DIALOG(R)File 610:Business Wire  
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00743531 20020711192B9178 (THIS IS THE FULLTEXT)  
Hypercom Introduces Payment Industry's First Suite of Internet Hosted  
POS Terminal Applications-epicDirect Lowers Implementation Costs, Speeds  
Time to Market for Independent Sales Organizations, Processors and VARs  
Business Wire  
Thursday, July 11, 2002 08:01 EDT  
WORD COUNT: 1,112

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